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APPLICATION NO. 09/676,895	FILING DATE 10/02/2000	FIRST NAMED INVENTOR Tetsuya Mashiko	SANSH5.890A	CONFIRMATION NO. 5133
20995 KNOBBE M	7590 08/02/2002 IARTENS OLSON & RT CENTER DRIVE	BEAR LLP	EXAM SWINEHAR	
CIXTEENTH	FLOOR BEACH, CA 92660		ART UNIT 3617	PAPER NUMBER

DATE MAILED: 08/02/2002

Please find below and/or attached an Office communication concerning this application or proceeding.



## Claim(s) ## Cl	•		Applicant(s)	1
Examiner Examiner		Application No.		1
A d for Reply SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE MONTH(S) FROM THE MAILING DATE THIS COMMUNICATION. Posteroison of time may be available under the provisions of 37 CFR 1,195(a). In no event, however, may a reply be timely filed after SIX (8) MONTHS from the mailing date of the communication and the provisions of 37 CFR 1,195(a). In no event, however, may a reply be timely filed after SIX (8) MONTHS from the mailing date of the communication in the specified above, such pandod shall, by default, expire SIX (8) MONTHS from the mailing date of the communication. If the period for reply is specified above, such pandod shall, by default, expire SIX (8) MONTHS from the mailing date of the communication. If this action is FINAL. Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 193S C.D. 1 1; 453 O.G. 213. Disposition of Claims Claim(e) C	Office Action Summary			-
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Claim(s)	Disposition of Claims		is/are pending in the application.	
Claim(s)	Disposition of 2 and 4-21		is/are withdrawn from consideration.	
Claim(s)	Or the above claim(s)		is/are allowed.	
Claim(s)	1 or the above sample and 4-19		is/are rejected.	
Claim(s)	Claim(s) 20 and 21		is/are objected to.	
Claim(s)	Claim(s)		are subject to restriction or election	
Application Papers See the attached Notice of Draftsperson's Patent Drawing Review, PTO-948. See the attached Notice of Draftsperson's Patent Drawing Review, PTO-948. See the attached Notice of Partsperson's Patent Drawing Review, PTO-948. See the attached Notice of Partsperson's Patent Drawing Review, PTO-948 See the attached Notice of Information Disclosure Statement(s), PTO-1449, Paper No(s). Other O	Claim(s)		requirement.	
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The specification is objected to by the Examiner. The oath or declaration is objected to by the Examiner. Priority under 35 U.S.C. § 119 (a)-(d) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 11 9(a)-(d). Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 11 9(a)-(d). Acknowledgment is made of a claim for foreign priority documents have been All □ Some* □ None of the CERTIFIED copies of the priority documents have been □ received. □ received in Application No. (Series Code/Serial Number) □ received in this national stage application from the International Bureau (PCT Rule 1 7.2(a)). *Certified copies not received: Attachment(s) □ Interview Summary, PTO-413 □ Notice of Informal Patent Application, PTO-15 □ Notice of Reference(s) Cited, PTO-892 □ Other □ Oth	☐ The proposed drawing correction, install	are objected to by the Exa	miner.	
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U. S. Patent and Trademark Office PTO-326 (Rev 9-97)

*U.S. GPO: 1997-433-221/62717

Application/Control Number: 09/676,895

Art Unit: 3617

DETAILED ACTION

- 1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
 - 2. Claims 20 and 21 are rejected under 35 U.S.C. 103(a) as being unpatentable over Nakase et al. in view of Isaka.

Nakase et al. teaches the field of the invention, including a twin overhead cam engine having a cylinder bank inclined to one side of a center plane. Nakase et al. fails to disclose more intake passages than exhaust passages, as is considered to have been old and well known in the art.

Isaka teaches a five valve head, in which there are provided three intake valves an passages, and two exhaust valves and passages.

It would have been obvious to one of ordinary skill in the art at the time of the invention to provide three intake valves and passages and two exhaust valves and passages to the head of Nakase et al. as taught by Isaka.

Such a combination would have been desirable at the time of the invention was made so as to provide for improved charging efficiency.

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- 3. Applicant's arguments filed 3/6/2002 have been fully considered but lacked any reasons why claims 20 and 21 define over the prior art of record.
- 4. Claims 1,2 and 4-19 are allowed.
- 5. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL.** See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

- 6. Papers relating to this application may be submitted to Technology Center 3600 by facsimile transmission. The submission of such papers by facsimile transmission must comply with the notice published in the Official Gazette, **1096 OG 30** (November 15, 1989). The Fax Center number is (703)-872-9326.
- 7. Any inquiry concerning this communication should be directed to Ed L. Swinehart whose telephone number is (703)-308-2566.
- 8. Any inquiry of a general nature or relating to the status of the application should be directed to the Technology Center 3600 receptionist whose telephone number is (703)-308-1113.

August 2, 2002

Ed L. Swinehart Primary Examiner Art Unit 3617